

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEB 27 2003

In re Application of

Tatsuya Uchikawa, et al.

Serial No.: 09/803,655

Group Art Unit: 2879

Filed: March 12, 2001

Examiner: Leurig, Sharlene L.

For: HIGH PRESSURE DISCHARGE LAMP AND METHOD FOR SEALING A BULB  
THEREOF

Honorable Commissioner of Patents  
Washington, D.C. 20231

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TECHNOLOGY CENTER 2800

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Smalley

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**AMENDMENT UNDER 37 C.F.R. §1.111**

Sir:

In response to the Office Action dated **December 4, 2002**, please amend the above-identified application as follows:

**IN THE SPECIFICATION:**

**Please amend the following paragraph starting on Page 11, line 14 through line 21:**

In the high pressure discharge lamp according to this embodiment of the invention, as shown in FIG. 5, electrodes 2a and 2b are joined to Mo foils 3a and 3b, respectively, and a part of the electrodes 2a and 2b and the Mo foils 3a and 3b are sealed at their respective ends of a quartz glass bulb 1. The shrink sealing method is used for sealing the quartz glass bulb 1. That is, the sealing process is carried out by naturally shrinking the quartz glass bulb 1 after heating the quartz glass bulb 1 while maintaining a predetermined difference in pressure between the inside and outside of the quartz glass bulb 1.

**Please replace paragraph 2 on page 18 with the following new paragraph:**

FIG. 6 is a graph showing the relationship between the maximum value,  $R_{max}$ , of the

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